

VOLUME 79, 2004 KEYWORD INDEX

- Absence seizures, 83
Absence-like seizures, 547
Abstinence, 101
Abused substance, 701
Acetylcholine, 367, 691, 715
Acoustic startle response, 533
Acquisition, 331
Activity, 65
Addiction, 37, 101, 661
Adenylyl cyclase, 93
Administration route, 751
Adolescence, 229, 723
 α 2-Adrenergic receptors, 309
 α 2-Adrenoceptor antagonist, 137
Affective disorders, 607
Aging, 483, 491, 691
Agonist, 391
Alcohol, 171, 229, 623, 671
Alcohol deprivation effect, 439
Alcohol drinking, 623
Alcohol-preferring P rats, 439
Allodynia, 349
Allostasis, 671
Alzheimer's disease, 691
 γ -Aminobutyric acid (GABA), 547
Amnesia, 701
Amphetamine, 55, 325, 331, 751, 761
Amphetamine enantiomers, 199
Anabolic agents, 383
Analgesia, 199, 661, 733
Analgesic, 299
Anandamide, 431
Androgens, 383
Angelica essential oil, 377
Animal model, 119, 587, 691
Antagonist, 391
Anti-inflammatory, 299, 473
Antioxidant, 651
Antisense oligodeoxynucleotide, 183
Antistress activity, 11
Anxiety, 1, 119, 279, 359, 499, 671
Anxiolytic, 269, 377
Apomorphine, 137, 359
Arousal, 563
Associative learning, 65
Atipamezole, 137
Attention, 401
Autism, 587
Aversion, 541, 739
Avian, 451
Baboon, 325
Baclofen, 343
Behavior, 563, 723
Behavioral sensitization, 451
Behavioral task measures, 17
Beirut, 75
Benzodiazepine, 523
Benzodiazepine–GABA_Aergic mechanisms, 733
Benzodiazepines, 279
Beta-adrenoceptors, 31
Binding, 31
Birds, 451
Boc-CCK-4, 109
Bone cancer, 243
Brain, 547
Brain development, 701
Brain injury, 651
Brain stimulation reward, 165
Brainstem, 31
Brain-stimulation reward, 483
Breakthrough pain, 243
Butea frondosa, 11
C-fiber reflex, 199
c-Fos, 183
C57BL/6J, 623
C57BL6/J, 219
Caffeine, 401, 587
Calcium channel antagonist, 125
cAMP, 93
Cancer pain, 243
Captopril, 709
Cerebral hypoperfusion, 155
Cerebral ischemia and reperfusion, 651
Chlorpheniramine, 119
Cholinesterase, 533
Chronic administration, 55
Chronic cocaine, 451
Cimetidine, 189
Circadian, 55
Circadian rhythms, 37
Citalopram, 25
Clock genes, 37
Cocaine, 37, 43, 93, 165, 317, 515
Cognitive performance, 691
Conditioned taste aversion, 303
Context conditioning, 65
Contrast, 523
Corticotropin-releasing factor, 671
CT-scan, 243
Cue, 291
Culcasia scandens, 473
Cyclooxygenase, 349
Cytokine, 253
DBA/2J, 219, 623, 739
Defensive behavior, 641
Delay discounting, 17
Demonstrator, 229
Dependence, 101
Depression, 119, 499
Deprivation, 325
Development, 55, 709
Dexfenfluramine, 325
Diazepam, 17, 269, 325
Dihydropyridine calcium antagonist, 269
Dizocilpine, 219
Docking, 633

- DOM, 25
Dopamine, 359, 499
Dopamine depletion, 109
Dose–response relationships, 751
Dosing time, 37
Drug abuse, 65
Drug discrimination, 25, 219, 431
Drug-discrimination, 761
Drug dose, 261
Drug self-administration, 261, 317
Drug-induced dyskinesia, 555
Drug-other, 431
Dyskinesia, 391
- ECoG, 547
Ecstasy, 331, 723
EEG, 83
Elevated plus-maze, 279, 377, 541
 β -Endorphin, 171
Enhydriin, 299
Enkephalin, 171
Epilepsy, 309, 367
17 β -estradiol (E2), 573
Ethanol, 599, 623, 739
Ethanol withdrawal (EW), 573
Ethyl docosahexaenoate (E-DHA), 651
Etonitazene, 261
Exploratory behavior, 541
Extinction, 325, 331
- Fear, 359, 563
Fear conditioning, 633
Female sexual behavior, 137
Fischer 344, 303
Fixed ratio, 43
Fixed-interval schedule, 261
Food intake, 189, 325
Forced-swimming test, 253
Formalin test, 183, 199
Free radicals, 555
- GABA_A receptor, 367
GABA_{A1} receptor, 279
Gamisipjundaebo-tang, 253
Gene–environment interaction, 623
Generalized convulsive seizures, 547
Genetic models, 83
Genital reflexes, 515
Gerbil, 125, 651
Gestation, 709
Glucocorticoids, 309
G-protein, 93
Guarana, 401
Guinea pig pup, 119
- [3H]-Dihydroalprenolol, 31
H1 receptor, 189
H2 receptor, 189
Haloperidol, 391, 761
Hamsters, 383
Handling, 739
Heroin, 291, 317
High-alcohol drinking (HAD), 439
Hippocampal formation, 633
Hippocampus, 31, 607
Histamine, 189, 563
5-HT_{1B} receptors, 391
Humans, 17
 γ -Hydroxybutyric acid (GHB), 547
Hydroxyzine, 119
Hyperalgesia, 183, 349
Hyperphagia, 523
Hypersensitivity, 349
- Imidazopyridine, 523
Immepip, 119
Immune enhancement, 253
Impulsivity, 17
Inbred mice, 219
Incentive relativity, 523
Individual differences, 65, 213
Inhibit, 17
Intrathecal, 183
Isoproterenol, 709
- Juvenile rat, 701
- Key peck, 43
Knockout mice, 171
- L-DOPA, 391
L-DOPA, 745
Learning, 109, 451, 459, 715
Learning and memory, 155, 691
Leaves, 11
Lesch–Nyhan syndrome, 587
Lesion, 109
Leukocyte migration inhibition, 473
Lewis, 303
LiCl, 303
Light switch-off, 359
Light/dark test, 377
Lithium, 607
Lithium–pilocarpine, 309
Locomotor, 661
Locomotor activity, 55, 533, 739, 751
Locomotor behavior, 623
Locomotor stimulant, 65
Long-term memory, 143
Lymphocyte distribution, 1
- Macaca arctoides*, 137
Macrophages, 1
Magnolia grandiflora, 299
Maintenance, 331
MAPK, 143, 633
Marmoset, 391
Maternal separation, 119
MDMA, 331, 459
Medial entorhinal cortex, 143
Melatonin, 413, 733
Melatonin receptor antagonists, 413
Membrane stabilization, 473
Memory, 109, 401
Mepyrmine, 189
Metastasis, 243
Methamphetamine, 65, 751
Methylphenidate, 641
Mice, 37, 165, 533, 623, 739, 745
Mice model, 243
Microdialysis, 599
ML-23, 413
Morphine, 101, 213, 243, 431, 483, 491, 515
Motivation, 325
Mouse, 377
Muscarinic receptor, 367
Muscarinic receptors, 691
- NaCl, 709
Naloxone, 101, 515
Narghile water-pipe, 75
Nerve injury, 349
Neurokinin, 1
Neuropathic pain, 349
Neuropeptide Y, 671
Neuropsychiatric disease, 413
Neurotoxicity, 331
Neurotransmitters, 555
Nicotine, 343, 507
Nicotine-paired stimuli, 507
Nicotinic receptor, 367
Nifedipine, 269
Nitric oxide, 1
NK-1, 125
NK-2, 125
NK-3, 125
NMDA, 541
NMDA antagonists, 83
NMDA receptor, 701
N-methyl-D-aspartate, 183
Nociception, 183
Nootropic activity, 11
Noradrenaline, 309
Nose-poking, 229
Novel environment, 269

- Novelty, 65
 Nurrl, 607

 Object interaction, 65
 Observer, 229
Ocimum sanctum, 155
 Offspring, 709
 Operant behavior, 171, 317, 459
 Opiates, 309, 491
 Opioid, 125, 243, 261, 515, 661
 Osteolysis, 243
 Oxidation, 573
 Oxidative stress, 155, 555

p-Methoxyamphetamine, 199
 Pain, 367
 Panax ginseng, 401
 Paradoxical sleep window, 715
 Parkinson's disease, 413, 745
 Parthenolide, 299
Paullinia cupana, 401
 Pavlovian conditioning, 451
 Pemoline, 587
 Pentobarbital, 431
 Pentylenetetrazol, 367
 Pharmacokinetics, 751
 Phencyclidine (PCP), 431
 Phosphodiesterase inhibition, 691
 Physostigmine, 533
 Pigeons, 43
 Place conditioning, 739
 PLC, 633
Plumbago scandens, 745
 Plus maze, 1
 Plus-maze, 641
 Postictal analgesia, 367
 Potentiation, 25
 Predator odor test, 641
 Preexposure, 623
 Preference, 739
 Psychomotor, 213
 Psychomotor stimulant, 55
 Psychopharmacology, 401
 Pyrillamine, 563

 (*R*)-methanandamide, 431
 Radial maze, 715

 Radial-arm maze, 343
 RAS, 709
 Rat, 25, 55, 65, 93, 109, 261, 269, 515, 599, 751
 Rats, 37, 83, 459, 491, 499, 507, 573, 691
 Recovery, 55
 Reinforcement, 439
 Reinforcement magnitude, 261
 Reinstatement, 331, 439, 507
 Relapse, 291
 REM sleep, 715
 REM sleep deprivation, 31
 Reperfusion injury, 155
 Response rate, 261
 Reward, 101, 523, 739
 Reward subcutaneous route, 261
 Runway, 317

 S-20928, 413
 Salt, 709
 SB-224289-A, 391
 SCH 23390, 359
 SCH23390, 93
 Scopolamine, 459, 715
 Seizure onset time (SOT), 309
 Self-administration, 291, 331, 383, 507, 623
 Self-injurious behaviour, 587
 Self-injury, 587
 Sensitization, 65, 213, 491, 661
 Serotonin, 331, 459, 499, 723
 Sex, 1
 Sex behavior, animal, 383
 Sex differences, 563
 Sexual behavior, 451, 515
 Sexual conditioning, 451
 β -Sitosterol, 473
 SKF-99101-H, 391
 Sleep deprivation, 499, 515
 Smallanthus uvedalius, 299
 Smoking, 75
 Social crowding, 213
Social interaction, 229
 Social interaction test, 641
 Social learning, 229
 Solvent, 219

 Spatial learning, 607
 Spatial memory, 143
 Speedball, 317
 Spinal cord, 183
 SSADH deficiency, 547
 Status epilepticus, 547
 Stereotypy, 491, 751
 Stone maze, 691
 Strain differences, 303
 Stress, 119, 671
 Stress-induced hyperthermia, 377
 Striatum, 37
 Sulpiride, 359
 Susceptibility, 213
 Swim stress, 309

 Tachykinin, 125
 Testosterone, 383
 Δ^9 -Tetrahydrocannabinol (THC), 431
 Thiobarbituric-acid-reacting-substances (TBARS), 573
 Thirst, 189, 709
 Threshold, 165
 Tolerance, 43, 661, 733, 761
 Topographical model, 75
 Toxicity, 587
 Transcription factor, 607
 Tremor, 745
 Tremorine, 745
 Two-way avoidance, 359

 U-50,488H, 733

 Valium, 17
 Venlafaxine, 499
 Ventromedial hypothalamus, 189
 Visceral, 125
 Vogel, 541

 Water intake, 189
 Water maze, 109, 533
 Withdrawal, 55, 101, 269, 761
 Working memory, 343
 Writhing, 125

 Yohimbine, 309, 641